

Title (en)  
Pipe with bellow

Title (de)  
Rohr mit Balg

Title (fr)  
Tuyau avec soufflet

Publication  
**EP 1233223 A3 20030102 (EN)**

Application  
**EP 02003063 A 20020212**

Priority  
IT TO20010123 A 20010213

Abstract (en)  
[origin: EP1233223A2] A pipe (1) for pressurized fluid, in particular an automotive intercooler pipe, having at least one flexible portion (2) in the form of a bellows sleeve (3) formed in one piece with and of the same material as the rest of the pipe; a number of radial undulations (4) of the sleeve project with respect to an outer lateral surface (5) of the pipe, and are so shaped as to always project with respect to the outer lateral surface of the pipe at any angular portion of the flexible portion; and at least some of the undulations have at least two shallow angular portions (6), which still project with respect to the outer lateral surface of the pipe, and which are all aligned to form two shallow longitudinal portions (7) axially reinforcing the sleeve. <IMAGE>

IPC 1-7  
**F16L 11/11**; **F16L 11/15**

IPC 8 full level  
**F16L 11/15** (2006.01)

CPC (source: EP)  
**F16L 11/15** (2013.01)

Citation (search report)  
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• [PX] WO 0202981 A1 20020110 - DU PONT [US]  
• [PX] EP 1176351 A2 20020130 - AVON RUBBER PLC [GB]

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